

**POWER OF ATTORNEY**

Sun Microsystems, Inc., assignee of the application for United States Letters Patent for an invention entitled:

“EXPLICIT HIERARCHICAL REGISTER FILE FOR PROCESSORS”
invented by:

Quinn A. Jacobson and Chiao-Mei Chuang

- ☒ executed on even date herewith, or
☐ having Serial No. , filed ,

does hereby appoint Kenneth D'Alessandro, Registration No. 29,144; Timothy A. Brisson, Registration No. 44,046; Robert C. Hall, Registration No. 39,209; Jonathan T. Velasco, Registration No. 42,200; Victor Gallo, Registration No. 41,768; Kathleen S. Hall, Registration No. 44,143, Russ F. Marsden, Registration No. 43,775, Kelly McCrystle, Registration No. 46,257; Kenneth Olsen, Registration No. 26,493; Timothy J. Crean, Registration No. 37,116; Robert S. Hauser, Registration No. 37,847; Joseph T. FitzGerald, Registration No. 33,881, Alexander E. Silverman, Registration No. 37,940; Christine S. Lam, Registration No. 37,489; Anirma Rakshpal Gupta, Registration No. 38,275; Sean P. Lewis, Registration No. 42,798; and Michael J. Schallop, Registration No. 44,319; Bernice B. Chen, Registration No. 42,403; Kenta Suzue, Registration No. 45,145; Noreen A. Krall, Registration No. 39,734, Richard J. Lutton Jr., Registration No. 39,756, Monica D. Lee, Registration No. 40,696 and Marc D. Foodman, Registration No. 34,110 as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith, and certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment, a copy of which is attached, from the inventor(s) of the patent application identified above.

Please send all correspondence and direct all telephone calls to:

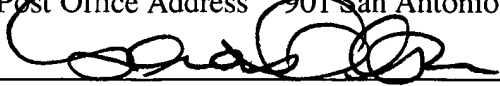
Russ F. Marsden
Sierra Patent Group, Ltd.
P.O. Box 6149
Stateline, NV 89449
Telephone (775) 586-9500

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

I, the undersigned, declare that I am the assignee of the above identified application, or, if the assignee is a corporation, partnership, or other association, I am authorized to make this appointment on behalf of the assignee and I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be

true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Full Assignee Name Sun Microsystems, Inc.
Post Office Address 901 San Antonio Road, MS PAL01-521, Palo Alto, California 94303

 SEP 12 2000

Signature Date

Kenneth Olsen VicePresident, Intellectual Property

Print Name Title

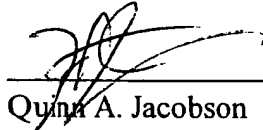
ASSIGNMENT

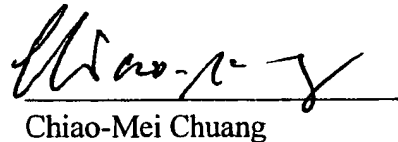
WHEREAS, we, Quinn A. Jacobson, a citizen of the United States, residing at 718 Old San Francisco Road, #284, Sunnyvale, California 90486 and Chiao-Mei Chuang, a citizen of the United States, residing at 15020 Gypsy Hill Road, Saratoga, California 95070, have invented an **"EXPLICIT HIERARCHICAL REGISTER FILE FOR PROCESSORS"** for which we have executed application papers for a U.S. patent thereon, attached hereto; and

WHEREAS, Sun Microsystems, Inc., a Delaware corporation, having a place of business at 901 San Antonio Road, Palo Alto, California 94303, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefore in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Quinn A. Jacobson and Chiao-Mei Chuang, do sell, assign, transfer and set over unto the said Sun Microsystems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to Sun Microsystems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at Sunnyvale, California, this 14
day of August, 2000.


Quinn A. Jacobson


Chiao-Mei Chuang

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